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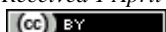
An updated checklist of spiders (Arachnida: Araneae) of Odisha state, India

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Abstract

The present checklist of spider fauna of Odisha is the outcome of the compilation of all published literature up to March 15, 2022. A total of 267 species of spiders described under 162 genera belonging to 42 families are enlisted that have been described and/or recorded from 21 out of 30 districts of Odisha. Out of 42 families of spiders recorded, 7 families (Agelenidae, Amaurobiidae, Bemmerridae, Dictynidae, Filistatidae, Mimetidae, Oonopidae) are represented by the spiders identified only upto generic level. Additionally, a total of 58 species recorded from different districts of Odisha were identified only upto generic level (if one/more species of that genus is/are identified up to species level) and have been excluded from the total list of spiders. The maximum number of species of spiders were recorded from Khordha district (95 species) followed by Ganjam (84 species), Mayurbhanj (83 species), Koraput (76 species), Puri (28 species), Kendujhar (16 species), Sambalpur (12 species) and less than 10 species in other districts. The largest family recorded in Odisha is Araneidae (47 species, 23 genera) followed by Salticidae (42 species, 28 genera), Lycosidae (25 species, 12 genera), Thomisidae (15 species, 10 genera), Tetragnathidae (15 species, 4 genera), Theriidae (12 species, 11 genera), Sparassidae (11 species, 4 genera), Gnaphosidae (10 species, 5 genera) and Oxyopidae (12 species 2 genera). Two species of Theraphosidae (tarantulas) (*Chilobrachys hardwickei* (Pocock, 1895), *Poecilotheria tigrinawesseli* Smith, 2006) recorded from Odisha are put in Red List of IUCN. Remaining 33 families are represented by one to 6 species. No faunal survey of spiders so far conducted in 9 districts of Odisha. Most of the national parks and wildlife sanctuaries, forest areas, agricultural fields, human dwellings etc. of Odisha still await intensive and extensive survey programmes to record a near complete spider fauna.

Keywords checklist; faunal distribution; Odisha; India; spiders.

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1 Introduction

Spiders (Arachnida: Araneae) are most fascinating arthropods in terrestrial ecosystem and found everywhere on the globe except arctic zones. They are economically significant as they prey upon insect pests both in

agriculture and natural ecosystems, and also act as sensitive bioindicators of the environmental changes (Jansen, 1997). Like honey bees, if the spiders disappear from the surface of the earth, man would have no more than few years left to live due to food shortage because of crop destruction due to insects as spiders consume approximately 400-800 million tons of insects per year (Nyffeler and Birkhofer, 2017). Also, the most remarkable feature of the life of spiders is the synthesis of silk and using it to grasp preys as their food. Globally, they account 49,947 species in 4,243 genera belonging to 131 families (World Spider Catalog, 2022). In India, Caleb and Sankaran (2022) listed only 1900 species belonging to 489 genera in 60 families, however, Singh and Singh (2021a) enlisted 2344 species under 596 genera comprising 65 families, though many species recorded by several authors have been marked as the case of misidentification.

For setting up biodiversity conservation action plan for any given region, the inventory of the species is one of the prime objectives. The conservation status of 99.5% of the spider species has not yet been evaluated by the IUCN globally (Seppälä et al., 2018). Despite recent research works on the diversity and distribution of spiders in India, their number is insufficient as compared to the other parts of the world because of general negligence in most of the areas of the country.

As far as, taxonomic study of spider in Odisha is concerned, Walsh (1890) was probably the first who had described one species of brush-footed trapdoor (Barychelidae), *Adelonychia nigrostriata* from Khordha district of the state. In the same year, Walsh sent an immature female spider from Odisha to Pickard-Cambridge (1890) who after scrutinising its characters, created a new genus, *Diplothele* and described the specimen as *Diplothele walshi*. Recently, Blick (2022) synonymised it to *Adelonychia nigrostriata* Walsh, 1890. Later, Gravely (1915) described another brush-footed trapdoor *Sipalolasma arthropophysis*. Thereafter, Gravely (1921a, b, 1924, 1931) described and recorded 63 more species of spiders from Barkuda, Chilika lake (Ganjam district) of Odisha.

Among the Indian authors during post-independent period, Biswas (1975) was the first to describe a lynx spider *Peucetia harishankarensis* from Balangir district followed by Gajbe UA (1979) who described *Sphingius dherikanalensis* (Gajbe, 1979) from Angul district. Later on, several authors (Tikader and Bal, 1980; Tikader and Malhotra, 1980; Tikader and Bal, 1981; Tikader, 1981; Tikader, 1982; Godhe et al., 1985) recorded many spider species from different districts of Odisha. First extensive survey for fauna of spider in Odisha was conducted by Biswas (1987) who recorded 73 species from different districts of Odisha. Notably, Prószyński (1992) described 13 species of spiders from Kendujhar district and Majumder (2005) recorded 18 species of spiders from different districts of the state.

In recent years, several areneologists recorded several species of spiders in different region/districts of Odisha, such as Siliwal and Molur (2008) and Siliwal et al. (2008a) recorded several spiders in Odisha; Panda et al. (2011) recorded 49 species of spiders from Nandankanan National Park in Khordha district; Mohapatra et al. (2014) recorded 41 species of spiders from RIE campus, Bhubaneswar; Palita (2016) and De and Palita, (2018) recorded 50 species from Koraput district. Choudhury et al. (2019) enlisted 96 species of spiders from 8 districts of Odisha (Anugul, Gajapati, Ganjam, Kalahandi, Keonjhar, Koraput, Mayurbhanj, Rayagada) without mentioning their locality. However, this checklist has ignored several species of spiders either described (e.g., Prószyński, 1992; Logunov, 2001; Tanasevitch, 2018) or recorded (e.g., Ghode et al., 1985; Majumder, 2005). Very recently, few more species were either described or recorded from different districts of Odisha (Das et al., 2019; Prasad et al., 2019; Ramanujam et al., 2019; Meher and Parida, 2020; Palita et al., 2020; Prasad et al., 2020; Arjun et al., 2021; Mohapatra, 2021; Prasad et al., 2021a, b). Thus, the available information on the spiders of the eastern state, Odisha is scattered in literature and several areas of the state have not yet been surveyed for their faunal distribution.

Recently, the checklist of spider fauna of northeast Indian states (Arunachal Pradesh, Assam, Manipur,

Meghalaya, Mizoram, Nagaland, Sikkim, Tripura) (Singh and Singh, 2021b), north and northwest Indian states (Haryana, Himachal Pradesh, Punjab), and two union territories (Chandigarh, Delhi) (Singh and Singh, 2021c), Bihar and Jharkhand (Singh and Singh, 2021d), Chhattisgarh (Singh and Singh, 2021), Goa (Singh and Singh, 2022a), Uttar Pradesh and Uttarakhand (Singh and Singh, 2022b), Rajasthan (Singh and Singh, 2022c), Andaman and Nicobar Islands, Puducherry and Lakshadweep (Singh and Singh, 2022d), Madhya Pradesh (Singh and Sharma, 2022a), Andhra Pradesh (Singh and Sharma, 2022b), and Telangana (Singh and Sharma, 2022c) have been prepared. In this continuation, the objective of this study is to bring together an authoritative checklist of all spiders recorded and/or described from one of the eastern state, Odisha.

2 Material and Methods

The Indian state Odisha (formerly Orissa) (latitudes: 17.802 to 22.563°N; longitudes: 81.383 to 87.482°E; area: 1,55,707 km²) is located in Eastern India bordered by West Bengal and Jharkhand to the north, Chhattisgarh to the west, Andhra Pradesh to the south and Bay of Bengal to east having about 485 km coastline. The coastal plain, rich in fertile silt deposited by the six major rivers flowing into the Bay of Bengal (Subarnarekha, Budhabalanga, Baitarani, Brahmani, Mahanadi and Rushikulya), lies in the eastern part of the state having the world famous lake Chilika. About 75% of the state is covered in mountain range having deep and broad valleys and one-third of the areas of the state is covered by the forest and mangrooves. There are several renowned National Parks and wildlife sanctuaries in Odisha with highly rich flora and fauna. The state has tropical Savannah type climate, characterized by high temperature, high humidity, medium to high rainfall and short and mild winters. The south-west monsoon normally sets in first week of June in the coastal plain and by July the whole of the state.

Administratively, Odisha has been divided into 30 districts (Fig. 1). Detail biogeography of the Odisha has already been dealt by Biswas (1987) and Chaudhuri et al. (2019).



Fig. 1 Number of spider species described and/or recorded from different districts of Odisha state, India.

The present checklist is based on the published literature on the spiders recorded from India, e.g. books, book chapters, journals, proceedings of conferences, Records of the Zoological Survey of India, Kolkata, few authentic theses, websites, and World Spider Catalog (WSC, 2022) up to March 15, 2022. In most of the literature published earlier, there were several errors in the scientific names of the spiders even in the recent publications because the researches on spider taxonomy like other taxa are continued with the description of new taxa, their modified status, and the publication of other nomenclatural decisions and clarifications. In the present checklist, attempts have been made to correct the errors in the scientific names of the spiders following WSC (2022). If a spider species is identified only up to generic level and no identified species of that genus is reported within the district, it was considered as species, while other such species (only identified upto genus) are listed separately.

For synonymy and endemism of valid spider species, the following references may be consulted for 33 families of spiders recorded in Odisha state of India and identified up to species level, e.g. Araneidae (Singh and Singh, 2021a), Barychelidae (Singh and Singh, 2020), Cheiracanthiidae (Singh et al., 2020a), Cithaeronidae (Singh et al., 2021a), Corinnidae (Singh et al., 2021a), Ctenidae (Singh et al., 2020), Eresidae (Sharma et al., 2021), Gnaphosidae (Singh and Singh, 2021e), Halonoproctidae (Singh and Singh, 2020), Hersiliidae (Singh et al., 2020b), Idiopidae (Singh and Singh, 2020), Linyphiidae (Sharma et al., 2020a), Liocranidae (Sharma et al., 2020b), Lycosidae (Singh, 2021a), Miturgidae (Sharma et al., 2020b), Nemesiidae (Singh and Singh, 2020), Oxyopidae (Singh, 2021b), Palpimanidae (Tiwari et al., 2021a), Pholcidae (Tiwari et al., 2021b), Pisauridae (Tiwari and Singh, 2021), Salticidae (Singh et al., 2020c, d, e, f, 2021b), Scytodidae (Singh BB et al., 2021), Segestriidae (Tiwari et al., 2021a), Selenopidae (Tiwari et al., 2021a), Sparassidae (Singh, 2021c), Stenochilidae (Tiwari et al., 2021a), Tetragnathidae (Singh, 2021d), Theraphosidae (Singh and Singh, 2020), Theridiidae (Singh, 2021e), Thomisidae (Singh G and Singh, 2021a), Titanoecidae (Singh and Singh, 2021b), Uloboridae (Singh G and Singh, 2021b), and Zadariidae (Singh G and Singh, 2021b).

3 Results and Discussion

Total number of spider species recorded in different districts of Odisha is displayed in Table 1 while species identified only up to genus having one or more identified species are listed in Table 2.

In the present compilation, a total of 267 species of spiders described under 162 genera belonging to 42 families were enlisted that have been recorded/described from only 21 out of 30 districts of Odisha giving up-to-date information (Table 3). Out of 42 families recorded, 7 families (Agelenidae, Amaurobiidae, Bemmeridae, Dictynidae, Filistatidae, Mimetidae, Oonopidae) are represented by the spiders identified only upto generic level (Table 1). Total 58 species, identified only upto generic level, belonging to 23 families of spiders were recorded from different districts of Odisha (Table 2) and are excluded from the total list of spiders of Odisha.

The maximum number of species of spiders were recorded from Khordha district (93 species) followed by Ganjam (84 species), Mayurbhanj (83 species), Koraput (76 species), Kendujhar (16 species), Khordha and Sambalpur (12 species) and less than 10 species in other districts. No faunal survey of spiders so far conducted in 9 districts of Odisha shown by red font in Fig. 1. Most of the national parks and wildlife sanctuaries, forest areas, agricultural fields, human dwellings etc. of Odisha still await intensive and extensive survey programmes to record a near complete spider fauna.

Out of 42 families of spiders recorded, the largest family appeared in Odisha is Araneidae (47 species, 23 genera) followed by Salticidae (42 species, 28 genera), Lycosidae (25 species, 12 genera), Thomisidae (15 species, 10 genera), Tetragnathidae (15 species, 4 genera), Theriidae (12 species, 11 genera), Sparassidae (11 species, 4 genera), Gnaphosidae (10 species, 5 genera) and Oxyopidae (12 species 2 genera), and less than 10

species were represented by other 33 families (Table 4).

A perusal of checklists of spider fauna of different states reveals that the biodiversity of spiders in Odisha is comparatively high. It ranks second in number of families after Uttarakhand, fourth in number of genera after Uttarakhand, Karnataka and Gujarat, and seventh in number of species after Gujarat, Karnataka, Uttarakhand, Madhya Pradesh, Uttar Pradesh and Assam (Table 5). No updated checklist is available for two states, Kerala and West Bengal having very high spider diversity. Two species of Theraphosidae (tarantulas) recorded from Odisha are put in Red List of IUCN (Molur et al., 2008a). One species, *Chilobrachys hardwickei* (Pocock, 1895) is listed as Least Concerned (Molur et al., 2008b) while *Poecilotheria tigrinawesseli* Smith, 2006 is listed as Data Deficient (Siliwal et al., 2008b). Remaining 32 families are represented by one to 6 species (Table 4).

Table 1 List of species of spiders recorded and/or described from different districts of Odisha state, India.

Family/Species	Districts	References
1. Agelenidae		
<i>Agelena</i> sp.	Koraput, Mayurbhanj	De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
2. Amaurobiidae		
<i>Amaurobius</i> sp.	Ganjam, Koraput	Gravely, 1921a; Palita, 2016
3. Araneidae		
<i>Acusilas</i> sp.	Mayurbhanj	Siliwal et al., 2008a
<i>Anepion maritatum</i> (O.P.- Cambridge, 1877)	Ganjam	Gravely, 1921a
<i>Arachnura</i> sp.	Odisha	Siliwal and Molur, 2008
<i>Araneus bilunifer</i> Pocock, 1900	Odisha	Siliwal and Molur, 2008; Choudhury et al., 2019
<i>Araneus ellipticus</i> (Tikader and Bal, 1981)	Khordha, Puri	Ghode et al., 1985; Panda et al., 2011; Choudhury et al., 2019; Ramanujam et al., 2019
<i>Araneus viridisomus</i> Gravely, 1921	Ganjam	Gravely, 1921a
<i>Araniella cucurbitina</i> (Clerck, 1757)	Odisha	Siliwal and Molur, 2008
<i>Argiope aemula</i> (Walckenaer, 1837)	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019
<i>Argiope anasuja</i> Thorell, 1887	Ganjam, Khordha, Koraput, Mayurbhanj, Sambalpur	Gravely, 1921a; Tikader, 1982; Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2008a; Panda et al., 2011; Mohapatra et al., 2014; Palita, 2016; Choudhury et al., 2019; Meher and Parida, 2020; Arjun et al., 2021
<i>Argiope catenulata</i> (Doleschall)	Balasore, Cuttack, Jagatsinghpur,	Biswas, 1987; Ramakrishna et al., 2006;

Family/Species	Districts	References
1859)	Kandhamal, Koraput, Khordha, Mayurbhanj, Puri, Sambalpur,	Behera, 2016
<i>Argiope minuta</i> Karsch, 1879	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018
<i>Argiope pulchella</i> Thorell, 1881	Ganjam, Kalahandi, Khordha, Mayurbhanj, Sambalpur	Tikader, 1982; Biswas, 1987; Ramakrishna et al., 2006; Panda et al., 2011; Mohapatra et al., 2014; Choudhury et al., 2019; Arjun et al., 2021
<i>Bijoaraneus mitificus</i> (Simon, 1886)	Khordha, Mayurbhanj	Mohapatra et al., 2014; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Cyclosa bifida</i> (Doleschall, 1859)	Khordha, Koraput	Panda et al., 2011; Mohapatra et al., 2014; Palita, 2016; De and Palita, 2018;
<i>Cyclosa confraga</i> (Thorell, 1892)	Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a
<i>Cyclosa hexatuberculata</i> Tikader, 1982	Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a;
<i>Cyclosa insulana</i> (Costa, 1834)	Ganjam	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008
<i>Cyclosa spirifera</i> Simon, 1889	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018
<i>Cyrtarachne raniceps</i> Pocock, 1900	Ganjam	Majumder, 2005
<i>Cyrtophora cicatrosa</i> (Stoliczka, 1869)	Ganjam, Koraput, Mayurbhanj	Gravely, 1921a; Biswas, 1987; Majumder, 2005; Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018
<i>Cyrtophora citricola</i> (Forsk., 1775)	Ganjam, Khordha, Sambalpur	Biswas, 1987; Majumder, 2005; Panda et al., 2011; Mohapatra et al., 2014
<i>Cyrtophora feae</i> Thorell, 1887	Koraput, Puri	Majumder, 2005; De and Palita, 2018
<i>Cyrtophora unicolor</i> (Doleschall, 1857)	Koraput	De and Palita, 2018
<i>Eriovixia excelsa</i> (Simon, 1889)	Ganjam, Khordha, Mayurbhanj	Gravely, 1921a; Tikader and Bal, 1981; Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2008a; Mohapatra et al., 2014;
<i>Eriovixia laglaizei</i> (Simon, 1877)	Odisha	Choudhury et al., 2019
<i>Eriovixia poonaensis</i> (Tikader and Bal, 1981)	Mayurbhanj	Ramakrishna et al., 2006
<i>Gasteracantha geminata</i> (Fabricius, 1798)	Mayurbhanj	Choudhury et al., 2019; Arjun et al., 2021
<i>Gasteracantha kuhli</i> C.L. Koch,	Koraput, Puri	Biswas, 1987; De and Palita, 2018

Family/Species	Districts	References
1837		
<i>Gasteracantha unguifera</i> Simon, 1889	Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a;
<i>Gea spinipes</i> C.L. Koch, 1843	Odisha	Choudhury et al., 2019
<i>Herennia multipuncta</i> (Doleschall, 1859)	Mayurbhanj	Siliwal and Molur, 2008; Arjun et al., 2021
<i>Larinia jaysankari</i> Biswas, 1984	Ganjam	Majumder, 2005
<i>Larinia phthisica</i> (L. Koch, 1871)	Ganjam, Khordha, Sundargarh,	Biswas, 1987; Mohapatra et al., 2014
<i>Macracantha hasselti</i> (C. L. Koch, 1837)	Ganjam, Khordha	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008; Panda et al., 2011; Choudhury et al., 2019
<i>Neoscona bengalensis</i> Tikader and Bal, 1981	Khordha, Koraput	Mohapatra et al., 2014; De and Palita, 2018
<i>Neoscona molemensis</i> Tikader and Bal, 1981	Sambalpur	Biswas, 1987
<i>Neoscona mukerjei</i> Tikader, 1980	Khordha, Koraput, Mayurbhanj, Puri, Sundargarh	Ghode et al., 1985; Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2008a; Panda et al., 2011; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Neoscona nautica</i> (L. Koch, 1875)	Ganjam, Khordha, Puri, Sambalpur	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008; Panda et al., 2011; Mohapatra et al., 2014
<i>Neoscona subfusca</i> (C. L. Koch, 1837)	Koraput	De and Palita, 2018
<i>Neoscona theisi</i> (Walckenaer, 1837)	Balangir, Cuttack, Khordha, Sambalpur	Tikader, 1982; Biswas, 1987; De and Palita, 2018; Choudhury et al., 2019
<i>Neoscona vigilans</i> (Blackwall, 1865)	Khordha, Koraput, Puri, Sambalpur	Tikader and Bal, 1981; Ghode et al., 1985; Majumder, 2005; Biswas, 1987; Panda et al., 2011; Mohapatra et al., 2014; De and Palita, 2018
<i>Nephila pilipes</i> (Fabricius, 1793)	Angul, Balangir, Dhenkanal, Khordha, Koraput, Mayurbhanj, Nayagarh, Puri, Sambalpur, Sundargarh	Biswas, 1987; Majumder, 2005; Ramakrishna et al., 2006; Siliwal and Molur, 2008; Panda et al., 2011; Mohapatra et al., 2014; Palita, 2016; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Parawixia dehaani</i> (Doleschall, 1859)	Khordha, Mayurbhanj	Panda et al., 2011; Mohapatra et al., 2014; Arjun et al., 2021
<i>Phonognatha</i> sp.	Odisha	Siliwal and Molur, 2008
<i>Plebs himalayaensis</i> (Tikader, 1975)	Odisha	Choudhury et al., 2019

Family/Species	Districts	References
<i>Poltya nagpurensis</i> Tikader, 1982	Odisha	Choudhury et al., 2019
<i>Thelacantha brevispina</i> (Doleschall, 1857)	Ganjam, Koraput	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008; De and Palita, 2018;
4. Barychelidae		
<i>Adelonychia nigrostriata</i> Walsh, 1890	Ganjam, Khordha	Walsh, 1890; Pickard-Cambridge, 1890; Pocock, 1900; Gravely, 1921a; Biswas, 1987; Siliwal et al., 2009a, 2011
<i>Diplothele gravelyi</i> Siliwal et al., 2009	Angul, Ganjam	Siliwal et al., 2009a, 2011; Choudhury et al., 2019
<i>Diplothele tenebrosus</i> Siliwal et al., 2009	Angul, Ganjam	Siliwal et al., 2009a, 2011; Choudhury et al., 2019
<i>Sasonichus</i> sp.	Odisha	Siliwal and Molur, 2008; Choudhury et al., 2019
<i>Sipalolasma arthropophysis</i> (Gravely, 1915)	Ganjam, Khordha	Gravely, 1915, 1921a; Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2011
5. Bemmeridae		
<i>Damarchus</i> sp.	Mayurbhanj	Siliwal et al., 2008a; Choudhury et al., 2019
6. Cheiracanthiidae		
<i>Cheiracanthium danieli</i> Tikader, 1975	Khordha	Panda et al., 2011; Mohapatra et al., 2014;
<i>Cheiracanthium melanostomum</i> (Thorell, 1895)	Ganjam, Khordha	Gravely, 1931; Biswas, 1987; Majumder, 2005
7. Cithaeronidae		
<i>Cithaeron indicus</i> Platnick and Gajbe, 1994	Kalahandi	Choudhury et al., 2020
<i>Inthaeron rossi</i> Platnick, 1991	Kalahandi	Choudhury et al., 2020
8. Clubionidae		
<i>Clubiona drassodes</i> O. Pickard-Cambridge, 1874	Mayurbhanj, Puri	Ghode et al., 1985; Siliwal and Molur, 2008; Siliwal et al., 2008a; Choudhury et al., 2019
9. Corinnidae		
<i>Cambalida flavipes</i> (Gravely, 1931)	Ganjam	Gravely, 1931; Tikader, 1981; Biswas, 1987; Majumder and Tikader, 1991
<i>Castianeira zetes</i> Simon, 1897	Ganjam, Khordha	Gravely, 1931; Tikader, 1981; Biswas, 1987; Majumder and Tikader, 1991; Mohapatra et al., 2014
<i>Corinnomma</i> sp.	Ganjam	Gravely, 1921a
10. Ctenidae		
<i>Anahita smythiesi</i> (Simon, 1897)	Odisha	Choudhury et al., 2019

Family/Species	Districts	References
<i>Ctenus cochiniensis</i> Gravely, 1931	Koraput	Palita, 2016
<i>Ctenus narashinhai</i> Patel and Reddy, 1988	Odisha	Choudhury et al., 2019
11. Dictynidae		
<i>Dictyna</i> sp.	Ganjam, Khordha	Gravely, 1921a; Mallick et al., 2017; Choudhury et al., 2019
<i>Nigma</i> sp.	Odisha	Choudhury et al., 2019
12. Filistatidae		
<i>Filistata</i> sp.	Ganjam	Gravely, 1921a
13. Eresidae		
<i>Stegodyphus sarasinorum</i> Karsch, 1892	Ganjam, Khordha, Koraput, Mayurbhanj	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2008a; Panda et al., 2011; Palita, 2016; De and Palita, 2018; Choudhury et al., 2019
14. Gnaphosidae		
<i>Drassodes astrologus</i> (O.P.-Cambridge, 1874)	Odisha	Choudhury et al., 2019
<i>Drassodes himalayensis</i> Tikader and Gajbe, 1975	Koraput	Gajbe UA, 1988
<i>Drassodes luridus</i> (O.P.-Cambridge, 1874)	Mayurbhanj	Gajbe UA, 1988;
<i>Drassodes pashanensis</i> Tikader and Gajbe, 1977	Sundargarh	Biswas, 1987; Gajbe UA, 1988
<i>Drassodes sitae</i> Tikader and Gajbe, 1975	Ganjam	Majumder, 2005
<i>Gnaphosa pauriensis</i> Tikader and Gajbe, 1977	Angul, Kendujhar, Sambalpur	Biswas, 1987
<i>Haplodrassus sataraensis</i> Tikader and Gajbe, 1977	Sambalpur	Gajbe UA, 1988
<i>Setaphis parvula</i> (Lucas, 1846)	Odisha	Choudhury et al., 2019
<i>Setaphis subtilis</i> (Simon, 1897)	Sundargarh,	Biswas, 1987; Gajbe UA, 1988;
<i>Zelotes sataraensis</i> Tikader and Gajbe, 1979	Odisha	Choudhury et al., 2019
15. Halonoproctidae		
<i>Conothele varvarti</i> Siliwal et al., 2009	Mayurbhanj	Siliwal et al., 2009b, 2011; Choudhury et al., 2019
16. Hersiliidae		
<i>Hersilia savignyi</i> Lucas, 1836	Ganjam, Khordha, Koraput, Mayurbhanj	Gravely, 1921a; Biswas, 1987; Ramakrishna et al., 2006; Panda et al., 2011; Mohapatra et

Family/Species	Districts	References
		al., 2014; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
17. Idiopidae		
<i>Heligmomerus barkudensis</i> (Gravely, 1921)	Ganjam	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2010, 2011; Choudhury et al., 2019
<i>Idiops nilagiri</i> Das and Diksha, 2019	Balasore	Das et al., 2019
<i>Idiops oriya</i> Siliwal, 2013	Dhenkanal	Gupta et al., 2013
<i>Scalidognathus</i> sp.	Odisha	Choudhury et al., 2019
18. Linyphiidae		
<i>Nasoonia orissa</i> Tanasevitch, 2018	Nayagarh	Tanasevitch, 2018
19. Liocranidae		
<i>Oedignatha microscutata</i> Reimoser, 1934	Mayurbhanj	Majumder and Tikader, 1991; Biswas, 1987; Ramakrishna et al., 2006
<i>Oedignatha scrobiculata</i> Thorell, 1881	Ganjam	Gravely, 1921a, 1931; Biswas, 1987; Majumder and Tikader, 1991
<i>Sphingius caniceps</i> Simon, 1906	Angul	Majumder and Tikader, 1991; Majumder, 2005
<i>Sphingius dherikanalensis</i> (Gajbe, 1979)	Angul	Gajbe UA, 1979; Biswas, 1987
<i>Sphingius barkudensis</i> Gravely, 1931	Ganjam, Sundargarh	Gravely, 1931; Gajbe UA, 1979; Biswas, 1987; Majumder and Tikader, 1991
20. Lycosidae		
<i>Arctosa</i> sp.	Odisha	Siliwal and Molur, 2008
<i>Crocodilosa leucostigma</i> (Simon, 1885)	Ganjam	Gravely, 1924
<i>Draposa atropalpis</i> (Gravely, 1924)	Ganjam	Gravely, 1924; Tikader and Malhotra, 1980; Biswas, 1987; Choudhury et al., 2019
<i>Draposa lyrivulva</i> (Bösenberg and Strand, 1906)	Ganjam	Gravely, 1924; Tikader and Malhotra, 1980; Biswas, 1987
<i>Draposa oakleyi</i> (Gravely, 1924)	Odisha	Choudhury et al., 2019
<i>Evippa</i> sp.	Odisha	Choudhury et al., 2019
<i>Geolycosa</i> sp.	Koraput	Palita, 2016
<i>Hippasa agelenoides</i> (Simon, 1884)	Khordha, Mayurbhanj	Panda et al., 2011; Mohapatra et al., 2014; Arjun et al., 2021
<i>Hippasa greenalliae</i> (Blackwall, 1867)	Ganjam, Khordha, Koraput	Gravely, 1921a; Tikader and Malhotra, 1980; Biswas, 1987; Panda et al., 2011; Palita, 2016

Family/Species	Districts	References
<i>Hippasa olivacea</i> (Thorell, 1887)	Cuttack	Parida and Sharma, 1987
<i>Hippasa partita</i> (O.P. Cambridge, 1876)	Puri	Majumder, 2005
<i>Hogna lenta</i> (Hentz, 1844)	Koraput	Palita, 2016
<i>Lycosa bistrata</i> Gravely, 1924	Khordha	Prasad et al., 2021a
<i>Lycosa iranii</i> Pocock, 1901	Odisha	Choudhury et al., 2019
<i>Lycosa mackenziei</i> Gravely, 1924	Khordha	Panda et al., 2011
<i>Lycosa madani</i> Pocock, 1901	Ganjam	Gravely, 1924; Biswas, 1987
<i>Lycosa pictula</i> Pocock, 1901	Kendrapada	Das et al., 2012
<i>Lycosa prolifica</i> Pocock, 1901	Odisha	Choudhury et al., 2019
<i>Ocyale pilosa</i> (Roewer, 1960)	Ganjam	Tikader and Malhotra, 1980; Biswas, 1987
<i>Pardosa heterophthalma</i> (Simon, 1898)	Ganjam	Majumder, 2005
<i>Pardosa mukundi</i> Tikader and Malhotra, 1980	Odisha	Choudhury et al., 2019
<i>Pardosa pseudoannulata</i> (Bösenberg and Strand, 1906)	Khordha, Koraput	Mohapatra et al., 2014; Behera, 2016; Palita, 2016
<i>Pardosa sumatrana</i> (Thorell, 1890)	Odisha	Choudhury et al., 2019
<i>Serratacosa himalayensis</i> (Gravely, 1924)	Puri	Majumder, 2005
<i>Wadicosa fidelis</i> (O.P.-Cambridge, 1872)	Cuttack, Ganjam, Kendrapada, Mayurbhanj	Tikader and Malhotra, 1980; Parida and Sharma, 1987; Panda et al., 2011; Palita, 2016; Arjun et al., 2021; Mohapatra, 2021
21. Mimetidae		
<i>Mimetus</i> sp.	Odisha	Choudhury et al., 2019
22. Miturgidae		
<i>Palicanus caudatus</i> Thorell, 1897	Ganjam	Gravely, 1931; Biswas, 1987; Majumder and Tikader, 1991
23. Nemesiidae		
<i>Gravelyia excavatus</i> (Gravely, 1921)	Balasore, Ganjam	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2011
24. Oonopidae		
<i>Brignolia</i> sp.	Odisha	Choudhury et al., 2019
<i>Gamasomorpha</i> sp.	Odisha	Choudhury et al., 2019
<i>Pelcinus</i> sp.	Odisha	Choudhury et al., 2019
25. Oxyopidae		
<i>Oxyopes bhadatae</i> Gajbe, 1999	Odisha	Choudhury et al., 2019
<i>Oxyopes birmanicus</i> Thorell, 1887	Khordha	Panda et al., 2011; Mohapatra et al., 2014;

Family/Species	Districts	References
		Mallick et al., 2017; De and Palita, 2018
<i>Oxyopes javanus</i> Thorell, 1887	Khordha	Panda et al., 2011; Mohapatra et al., 2014
<i>Oxyopes lineatipes</i> (C.L. Koch 1847)	Khordha	Panda et al., 2011
<i>Oxyopes pandae</i> Tikader, 1969	Odisha	Behera, 2016
<i>Oxyopes salticus</i> Hentz	1845 Khordha Khan et al.	2020
<i>Oxyopes sertatus</i> L. Koch, 1878	Koraput	Palita et al., 2020
<i>Oxyopes shweta</i> Tikader 1970	Khordha, Mayurbhanj, Puri	Ghode et al., 1985; Siliwal and Molur, 2008; Siliwal et al., 2008a; Panda et al., 2011; Mohapatra et al., 2014; Choudhury et al., 2019; Arjun et al., 2021
<i>Oxyopes sunandae</i> Tikader 1970	Kendrapada, Khordha	Das et al., 2012; Panda et al., 2011
<i>Peucetia harishankarensis</i> Biswas, 1975	Balangir	Biswas, 1975, 1987; Gajbe UA, 1999
<i>Peucetia viridana</i> (Stoliczka, 1869)	Ganjam, Khordha, Koraput	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008; Panda et al., 2011; Mohapatra et al., 2014; Mallick et al., 2017; De and Palita, 2018
<i>Peucetia viridans</i> (Hentz, 1832)	Khordha Khan et al.	2020
26. Palpimanidae		
<i>Sarascelis ? raffrayi</i> Simon, 1893	Ganjam	Gravely, 1921a
27. Philodromidae		
<i>Philodromus</i> sp.	Puri	Ghode et al., 1985
28. Pholcidae		
<i>Artema atlanta</i> Walckenaer, 1837	Ganjam	Gravely, 1921a; Biswas, 1987
<i>Crossopriza lyoni</i> (Blackwall, 1867)	Ganjam, Khordha, Mayurbhanj	Majumder, 2005; Siliwal et al., 2008a; Siliwal and Molur, 2008; Panda et al., 2011; Mohapatra et al., 2014;
<i>Pholcus fragillimus</i> Strand, 1907	Odisha	Choudhury et al., 2019
<i>Smeringopus</i> sp.	Ganjam	Gravely, 1921a
29. Pisauridae		
<i>Dendrolycosa gitae</i> (Tikader, 1970)	Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a
<i>Dendrolycosa robusta</i> (Thorell, 1895)	Koraput	De and Palita, 2018
<i>Dolomedes</i> sp.	Koraput	Palita, 2016
<i>Nilus albocinctus</i> (Doleschall, 1859)	Khordha	Panda et al., 2011
<i>Perenethis venusta</i> L. Koch, 1878	Khordha	Mohapatra et al., 2014

Family/Species	Districts	References
30. Salticidae		
<i>Asemonea tenuipes</i> (O.P.- Cambridge, 1869)	Koraput	De and Palita, 2018
<i>Bianor angulosus</i> (Karsch, 1879)	Cuttack	Logunov, 2001
<i>Bianor narmadaensis</i> (Tikader, 1975)	Khordha, Mayurbhanj, Puri	Ghode et al., 1985; Biswas, 1987; Ramakrishna et al., 2006
<i>Bianor pashanensis</i> (Tikader, 1975)	Kalahandi	Biswas, 1987
<i>Carrhotus sannio</i> (Thorell, 1877)	Kendujhar	Prószyński, 1992
<i>Carrhotus viduus</i> (C L Koch, 1846)	Kendujhar, Khordha, Koraput	Biswas, 1987; Panda et al., 2011; Mohapatra et al., 2014; De and Palita, 2018
<i>Epeus albus</i> Prószyński, 1992	Kendujhar	Prószyński, 1992
<i>Epeus indicus</i> Prószyński, 1992	Kendujhar, Koraput	Prószyński, 1992; De and Palita, 2018
<i>Epocilla</i> sp.	Mayurbhanj	Choudhury et al., 2019; Arjun et al., 2021
<i>Evarcha flavocincta</i> (C. L. Koch, 1846)	Koraput	Prasad et al., 2022
<i>Habrocestoides bengalensis</i> Prószyński, 1992	Kendujhar	Prószyński, 1992
<i>Harmochirus brachiatus</i> (Thorell, 1877)	Koraput	De and Palita, 2018; Choudhury et al., 2019
<i>Hasarius adansoni</i> (Audouin, 1826)	Khordha, Koraput, Mayurbhanj	Mohapatra et al., 2014; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Hyllus semicupreus</i> (Simon, 1885)	Ganjam, Khordha, Mayurbhanj, Sundargarh	Biswas, 1987; Panda et al., 2011; Mohapatra et al., 2014; Arjun et al., 2021
<i>Jajpurattus incertus</i> Prószyński, 1992	Kendujhar	Prószyński, 1992
<i>Menemerus bivittatus</i> (Dufour, 1831)	Khordha, Koraput, Mayurbhanj	Panda et al., 2011; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Menemerus fulvus</i> (L. Koch, 1878)	Odisha	Choudhury et al., 2019
<i>Myrmaplata plataleoides</i> (O.P.- Cambridge, 1869)	Ganjam, Kendujhar, Koraput, Mayurbhanj	Biswas, 1987; Prószyński, 1992; Mohapatra et al., 2014; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Myrmarachne melanocephala</i> MacLeay, 1839	Khordha	Panda et al., 2011; Mohapatra et al., 2014
<i>Myrmarachne ramunni</i> Narayan, 1915	Odisha	Choudhury et al., 2019
<i>Okinawicius daitaricus</i> (Prószyński, 1992)	Kendujhar	Prószyński, 1992
<i>Pancorius daitaricus</i> (Prószyński, 1992)	Kendujhar	Prószyński, 1992

Family/Species	Districts	References
<i>Pandisus indicus</i> Prószyński, 1992	Kendujhar	Prószyński, 1992
<i>Phidippus bengalensis</i> Tikader, 1977	Ganjam	Biswas, 1987
<i>Phintella bifurcata</i> Prószyński, 1992	Kendujhar, Mayurbhanj	Prószyński, 1992; Choudhury et al., 2019; Arjun et al., 2021
<i>Phintella debilis</i> (Thorell, 1891)	Kendujhar	Prószyński, 1992
<i>Phintella vittata</i> (C.L. Koch, 1846)	Khordha, Koraput, Mayurbhanj	Mohapatra et al., 2014; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Phlegra dhakuriensis</i> (Tikader, 1974)	Kendujhar	Biswas, 1987
<i>Plexippus paykulli</i> (Audouin, 1826)	Balangir, Balasore, Cuttack, Ganjam, Jajpur, Jharsuguda, Khordha, Mayurbhanj, Puri	Ghode et al., 1985; Biswas, 1987; Majumder, 2005; Ramakrishna et al., 2006; Siliwal and Molur, 2008; Siliwal et al., 2008a; Panda et al., 2011; Mohapatra et al., 2014; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Plexippus petersi</i> (Karsch, 1878)	Khordha, Mayurbhanj	Panda et al., 2011; Mohapatra et al., 2014; Arjun et al., 2021
<i>Portia</i> sp.	Ganjam, Mayurbhanj	Gravely, 1921a; Siliwal and Molur, 2008; Siliwal et al., 2008a; Choudhury et al., 2019; Arjun et al., 2021
<i>Rhene daitarensis</i> Prószyński, 1992	Kendujhar	Prószyński, 1992
<i>Rhene danieli</i> Tikader, 1973	Ganjam, Khordha	Biswas, 1987; Panda et al., 2011
<i>Rhene flavicomans</i> Simon, 1902	Koraput	De and Palita, 2018
<i>Rhene indica</i> Tikader, 1973	Ganjam	Biswas, 1987
<i>Siler semiglaucus</i> (Simon, 1901)	Khordha, Mayurbhanj	Panda et al., 2011; Arjun et al., 2021
<i>Stenaelurillus arambagensis</i> (Biswas and Biswas, 1992)	Odisha	Choudhury et al., 2019
<i>Stenaelurillus gabrieli</i> Prajapati et al., 2016	Odisha	Choudhury et al., 2019
<i>Stenaelurillus wandae</i> Logunov, 2020	Nayagarh	Logunov, 2020
<i>Telamonia dimidiata</i> (Simon, 1899)	Khordha, Mayurbhanj, Sundargarh	Biswas, 1987; Siliwal and Molur, 2008; Siliwal et al., 2008a; Panda et al., 2011; Mohapatra et al., 2014; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Thiania bhamoensis</i> Thorell, 1887	Khordha, Mayurbhanj	Biswas, 1987; Arjun et al., 2021
<i>Thyene imperialis</i> (Rossi 1846)	Odisha	Choudhury et al., 2019
<i>Toxeus jajpurensis</i> (Prószyński,	Kendujhar	Prószyński, 1992

Family/Species	Districts	References
1992)		
31. Scytodidae		
<i>Scytodes pallida</i> Doleschall, 1859	Ganjam, Khordha, Koraput	Gravely, 1921a; Panda et al., 2011; De and Palita, 2018
<i>Scytodes thoracica</i> (Latreille, 1802)	Khordha	Panda et al., 2011
32. Segestriidae		
<i>Ariadna nebulosa</i> Simon, 1906	Ganjam	Gravely, 1921a
<i>Indoseges chilika</i> Siliwal et al., 2021	Ganjam	Choudhury et al., 2021
<i>Indoseges malkangiri</i> Choudhury et al., 2021	Malkangiri	Choudhury et al., 2021
<i>Indoseges narayani</i> Choudhury et al., 2021	Ganjam	Choudhury et al., 2021
<i>Indoseges satkosia</i> Das et al., 2021	Angul	Choudhury et al., 2021
<i>Indoseges sushildutta</i> Siliwal et al., 2021	Malkangiri	Choudhury et al., 2021
33. Selenopidae		
<i>Makdiops</i> sp.	Odisha	Choudhury et al., 2019
<i>Selenops radiates</i> Latreille, 1819	Ganjam	Biswas, 1987
34. Sparassidae		
<i>Heteropoda hampsoni</i> Pocock, 1901	Odisha	Choudhury et al., 2019
<i>Heteropoda kandiana</i> Pocock, 1899	Khordha	Gravely, 1931; Biswas, 1987; Sethi and Tikader, 1988; Majumder, 2005
<i>Heteropoda phasma</i> Simon, 1897	Odisha	Choudhury et al., 2019
<i>Heteropoda sexpunctata</i> Simon, 1885	Ganjam, Khordha	Gravely, 1921a, 1931; Biswas, 1987; Sethi and Tikader, 1988; Choudhury et al., 2019
<i>Heteropoda venatoria</i> (Linnaeus 1767)	Ganjam, Khordha, Koraput, Mayurbhanj	Gravely, 1921a; Siliwal and Molur, 2008; Siliwal et al., 2008a; Panda et al., 2011; Mohapatra et al., 2014; Palita, 2016; Arjun et al., 2021
<i>Olios iranii</i> (Pocock, 1901)	Odisha	Choudhury et al., 2019
<i>Olios lamarcki</i> (Latreille, 1806)	Ganjam, Khordha	Gravely, 1921a, 1931; Biswas, 1987
<i>Olios milleti</i> (Pocock, 1901)	Ganjam, Khordha,	Gravely, 1931; Biswas, 1987; Sethi and Tikader, 1988; Panda et al., 2011; Mohapatra et al., 2014
<i>Olios punctipes</i> Simon, 1884	Ganjam	Gravely, 1931; Biswas, 1987; Siliwal and Molur, 2008;
<i>Palystes flavidus</i> Simon, 1897	Ganjam, Khordha	Gravely, 1921a, 1931; Biswas, 1987; Tikader and Sethi, 1990

Family/Species	Districts	References
<i>Spariolenus tigris</i> Simon, 1880	Khordha	Gravely, 1931; Biswas, 1987; Sethi and Tikader, 1988
35. Stenochilidae		
<i>Stenochilus hobsoni</i> O.P.- Cambridge, 1871	Ganjam	Gravely, 1921a; Choudhury et al., 2019
36. Tetragnathidae		
<i>Guizygiella melanocrania</i> (Thorell, 1887)	Ganjam, Khordha	Gravely, 1921a; Tikader and Bal, 1980; Tikader, 1982; Biswas, 1987; Panda et al., 2011; Mohapatra et al., 2014; De and Palita, 2018;
<i>Leucauge celebesiana</i> (Walckenaer, 1841)	Balangir, Ganjam, Khordha	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008
<i>Leucauge decorata</i> (Blackwall, 1864)	Dhenkanal, Ganjam, Khordha, Koraput, Mayurbhanj, Sambalpur,	Gravely, 1921b; Biswas, 1987; Majumder, 2005; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Leucauge fastigata</i> (Simon, 1877)	Ganjam, Koraput, Mayurbhanj	Gravely, 1921a, b; Tikader, 1982; De and Palita, 2018; Arjun et al., 2021
<i>Leucauge tessellata</i> (Thorell, 1887)	Ganjam, Mayurbhanj	Siliwal and Molur, 2008; Choudhury et al., 2019; Arjun et al., 2021
<i>Tetragnatha andamanensis</i> Tikader, 1977	Puri	Ghode et al., 1985
<i>Tetragnatha ceylonica</i> O.P.- Cambridge 1869	Ganjam, Khordha	Gravely, 1921b; Biswas, 1987; Panda et al., 2011
<i>Tetragnatha cochinesis</i> Gravely, 1921	Khordha	Panda et al., 2011; Choudhury et al., 2019
<i>Tetragnatha hasselti</i> Thorell, 1890	Odisha	Choudhury et al., 2019
<i>Tetragnatha javana</i> (Thorell, 1890)	Ganjam, Khordha, Puri	Gravely, 1921b; Biswas, 1987; Siliwal and Molur, 2008; Mallick et al., 2017
<i>Tetragnatha keyserlingi</i> Simon, 1890	Khordha	Choudhury et al., 2019; Ramanujam et al., 2019
<i>Tetragnatha mandibulata</i> Walckenaer, 1842	Ganjam, Khordha, Koraput, Puri	Gravely, 1921b; Tikader, 1977; Ghode et al., 1985; Biswas, 1987; Panda et al., 2011; Palita, 2016; De and Palita, 2018; Choudhury et al., 2019; Ramanujam et al., 2019
<i>Tetragnatha vermiformis</i> Emerton, 1884	Khordha	Gravely, 1921b
<i>Tetragnatha viridorufa</i> Gravely,	Ganjam, Mayurbhanj, Puri	Gravely, 1921b; Biswas, 1987; Arjun et al.,

Family/Species	Districts	References
1921		2021
<i>Tylorida</i> sp.	Odisha	Choudhury et al., 2019
37. Theraphosidae		
<i>Chilobrachys hardwicki</i> (Pocock, 1895)	Khordha	Panda et al., 2011
<i>Heterophriectus</i> sp.	Odisha	Choudhury et al., 2019
<i>Plesiophriectus</i> sp.	Ganjam	Gravely, 1921a; Siliwal and Molur, 2008
<i>Poecilotheria miranda</i> Pocock, 1900	Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a, 2011
<i>Poecilotheria tigrinawesseli</i> Smith, 2006	Kalahandi, Khordha, Koraput	Smith, 2006; Siliwal and Molur, 2008; Siliwal et al., 2008a
38. Theridiidae		
<i>Achaeraena</i> sp.	Mayurbhanj	Siliwal et al., 2008a
<i>Argyrodes argentatus</i> O.P.- Cambridge, 1880	Ganjam	Gravely, 1921a
<i>Argyrodes scintillulanus</i> O.P.- Cambridge, 1880	Ganjam	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008;
<i>Chryssa angula</i> (Tikader, 1970)	Khordha	Mallick et al., 2017
<i>Coleosoma blandum</i> O.P.- Cambridge, 1882	Khordha	Prasad et al., 2020
<i>Episinus</i> sp.	Odisha	Choudhury et al., 2019
<i>Meotipa andamanensis</i> (Tikader, 1977)	Khordha	Siliwal and Molur, 2008; Mohapatra et al., 2014
<i>Nihonhimea mundula</i> (L. Koch, 1872)	Mayurbhanj	Siliwal et al., 2008a; Panda et al., 2011; Choudhury et al., 2019
<i>Parasteatoda kompirensis</i> (Bösenberg and Strand, 1906)	Kalahandi	Siliwal and Molur, 2008; Malik et al., 2018; Choudhury et al., 2019
<i>Rhomphaea</i> sp.	Mayurbhanj	Choudhury et al., 2019; Arjun et al., 2021
<i>Steatoda</i> spp.	Odisha	Siliwal and Molur, 2008; Choudhury et al., 2019
<i>Theridion odisha</i> Prasad et al., 2019	Khordha	Prasad et al., 2019
39. Thomisidae		
<i>Amyciaea forticeps</i> (O.P. Cambridge, 1873)	Odisha	Choudhury et al., 2019
<i>Bomis</i> sp.	Odisha	Choudhury et al., 2019
<i>Camaricus formosus</i> Thorell, 1887	Khordha, Koraput	Majumder, 2005; Panda et al., 2011; Mohapatra et al., 2014; De and Palita, 2018
<i>Camaricus khandalaensis</i> Tikader,	Khordha	Panda et al., 2011; Mohapatra et al., 2014

Family/Species	Districts	References
1980		
<i>Indoxysticus minutus</i> (Tikader, 1960)	Khordha	Mohapatra et al., 2014
<i>Misumena</i> sp.	Koraput	De and Palita, 2018
<i>Oxytate</i> sp.	Mayurbhanj	Choudhury et al., 2019; Arjun et al., 2021
<i>Runcinia insecta</i> (L. Koch, 1875)	Odisha	Behera, 2016
<i>Thomisus granulifrons</i> Simon 1906	Jagatsinghpur	Prasad et al., 2021b
<i>Thomisus lobosus</i> Tikader, 1965	Khordha	Mohapatra et al., 2014
<i>Thomisus projectus</i> Tikader, 1960	Khordha	Mohapatra et al., 2014
<i>Thomisus pugilis</i> Stoliczka, 1869	Khordha	Panda et al., 2011
<i>Thomisus sikkimensis</i> Tikader, 1962	Khordha	Siliwal and Molur, 2008; Panda et al., 2011
<i>Thwaitesia</i> sp.	Koraput	De and Palita, 2018
<i>Xysticus</i> sp.	Puri	Ghode et al., 1985
40. Titanocidae		
<i>Pandava ganga</i> Almeida-Silva et al., 2010	Koraput	Almeida-Silva et al., 2010
<i>Pandava laminata</i> (Thorell, 1878)	Odisha	Choudhury et al., 2019
41. Uloboridae		
<i>Uloborus</i> sp.	Ganjam, Mayurbhanj	Gravely, 1921a; Choudhury et al., 2019; Arjun et al., 2021
<i>Zosis geniculata</i> (Olivier, 1789)	Koraput, Mayurbhanj	De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
42. Zodariidae		
<i>Asceua cingulata</i> (Simon, 1905)	Ganjam	Gravely, 1921a; Biswas, 1987
<i>Hermippus arjuna</i> (Gravely, 1921)	Ganjam, Khordha	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008
<i>Mallinella</i> sp.	Odisha	Choudhury et al., 2019
<i>Storena birenifer</i> Gravely, 1921	Ganjam	Gravely, 1921a; Biswas, 1987; Siliwal and Molur, 2008
<i>Suffasia</i> sp.	Odisha	Choudhury et al., 2019

Table 2 List of species of spiders (identified upto generic level only) recorded from different districts of Odisha state, India.

Family/Species	Districts	References
1. Araneidae		
<i>Araneus</i> sp.	Khordha, Koraput, Mayurbhanj	Siliwal et al., 2008a; Mallick et al., 2017; De and Palita, 2018
<i>Argiope</i> sp.	Khordha	Mallick et al., 2017
<i>Cyclosa</i> sp.	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Cyrtarachne</i> sp.	Khordha, Mayurbhanj, Puri	Ghode et al., 1985; Siliwal and Molur, 2008; Siliwal et al., 2008a; Mohapatra et al., 2014
<i>Cyrtophora</i> sp.	Mayurbhanj	Arjun et al., 2021
<i>Eriovixia</i> sp.	Koraput, Mayurbhanj	De and Palita, 2018; Arjun et al., 2021
<i>Larinia</i> sp.	Puri	Ghode et al., 1985;
<i>Neoscona</i> sp.	Koraput, Mayurbhanj, Puri	Ghode et al., 1985; Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019
<i>Parawixia</i> sp.	Koraput	De and Palita, 2018
<i>Thelacantha</i> sp.	Mayurbhanj	Arjun et al., 2021
2. Barychelidae		
<i>Diplothele</i> sp.	Odisha	Choudhury et al., 2019
3. Cheiracanthiidae		
<i>Cheiracanthium</i> sp.	Koraput, Puri	Ghode et al., 1985; De and Palita, 2018
4. Cithaeronidae		
<i>Inthaeron</i> sp.	Odisha	Choudhury et al., 2019
5. Clubionidae		
<i>Clubiona</i> sp.	Mayurbhanj, Puri	Ghode et al., 1985; Siliwal and Molur, 2008; Siliwal et al., 2008a; Choudhury et al., 2019
6. Corinnidae		
<i>Cambalida</i> sp.	Odisha	Choudhury et al., 2019
<i>Castianeira</i> sp.	Koraput	Palita, 2016; De and Palita, 2018
7. Ctenidae		
<i>Ctenus</i> sp.	Koraput	Palita, 2016; De and Palita, 2018; Choudhury et al., 2019
8. Gnaphosidae		
<i>Gnaphosa</i> sp.	Odisha	Choudhury et al., 2019
<i>Zelotes</i> sp.	Odisha	Choudhury et al., 2019
9. Halonoproctidae		

Family/Species	Districts	References
<i>Conothele</i> sp.	Mayurbhanj	Siliwal et al., 2008a
10. Idiopidae		
<i>Idiops</i> sp.	Mayurbhanj	Siliwal et al., 2008a; Choudhury et al., 2019
11. Liocranidae		
<i>Oedignatha</i> sp.	Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; Choudhury et al., 2019
<i>Sphingius</i> sp.	Ganjam	Gravely, 1921a
12. Lycosidae		
<i>Hippasa</i> sp.	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019
<i>Lycosa</i> sp.	Khordha, Koraput, Mayurbhanj	Parida and Sharma, 1987; De and Palita, 2018; Arjun et al., 2021
<i>Pardosa</i> sp.	Koraput, Mayurbhanj, Puri	Ghode et al., 1985; Siliwal et al., 2008a; De and Palita, 2018; Arjun et al., 2021
13. Oxyopidae		
<i>Hamadruas</i> sp.	Koraput	De and Palita, 2018; Choudhury et al., 2019
<i>Oxyopes</i> sp.	Koraput	De and Palita, 2018
<i>Peucetia</i> sp.	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019
14. Pholcidae		
<i>Pholcus</i> sp.	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018
15. Pisauridae		
<i>Perenethis</i> sp.	Koraput	De and Palita, 2018
16. Salticidae		
<i>Carrhotus</i> sp.	Mayurbhanj	Choudhury et al., 2019; Arjun et al., 2021
<i>Epeus</i> sp.	Khordha, Koraput, Mayurbhanj	Panda et al., 2011; De and Palita, 2018; Arjun et al., 2021
<i>Habrocestoides</i> sp.	Odisha	Choudhury et al., 2019
<i>Hyllus</i> sp.	Koraput	De and Palita, 2018; Choudhury et al., 2019
<i>Myrmarachne</i> sp.	Koraput, Mayurbhanj	Siliwal and Molur, 2008; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
<i>Phintella</i> sp.	Koraput	De and Palita, 2018
<i>Stenaelurillus</i> sp.	Koraput	De and Palita, 2018; Choudhury et al., 2019
<i>Telamonia</i> sp.	Khordha	Mallick et al., 2017

Family/Species	Districts	References
<i>Zygoballus</i> sp.	Puri	Ghode et al., 1985
17. Segestriidae		
<i>Ariadna</i> spp.	Odisha	Choudhury et al., 2019
18. Sparassidae		
<i>Olios</i> sp.	Ganjam, Mayurbhanj	Gravely, 1921a; Choudhury et al., 2019; Arjun et al., 2021
<i>Sparassus</i> sp.	Puri	Ghode et al., 1985
19. Tetragnathidae		
<i>Guizygiella</i> sp.	Khordha	Panda et al., 2011; Mohapatra et al., 2014; Choudhury et al., 2019
<i>Leucauge</i> sp.	Odisha	Choudhury et al., 2019
<i>Tetragnatha</i> sp.	Koraput, Mayurbhanj	Gravely, 1921b; Siliwal et al., 2008a; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
20. Theraphosidae		
<i>Chilobrachys</i> sp.	Odisha	Choudhury et al., 2019
21. Theridiidae		
<i>Argyrodes</i> sp.	Mayurbhanj	Siliwal et al., 2008a; Choudhury et al., 2019; Arjun et al., 2021
<i>Parasteatoda</i> spp.	Koraput	De and Palita, 2018; Choudhury et al., 2019
<i>Theridion</i> sp.	Khordha, Mayurbhanj	Siliwal et al., 2008a; Mallick et al., 2017; Choudhury et al., 2019; Arjun et al., 2021
22. Thomisidae		
<i>Amyciaea</i> sp.	Odisha	Choudhury et al., 2019
<i>Camaricus</i> sp.	Mayurbhanj	Choudhury et al., 2019; Arjun et al., 2021
<i>Indoxysticus</i> sp.	Odisha	Choudhury et al., 2019
<i>Runcinia</i> sp.	Koraput	De and Palita, 2018; Choudhury et al., 2019
<i>Thomisus</i> sp.	Khordha, Koraput, Mayurbhanj	Siliwal et al., 2008a; Mallick et al., 2017; De and Palita, 2018; Choudhury et al., 2019; Arjun et al., 2021
23. Zodariidae		
<i>Asceua</i> sp.	Odisha	Choudhury et al., 2019
<i>Hermippus</i> sp.	Koraput	Panda et al., 2011; De and Palita, 2018; Choudhury et al., 2019
<i>Storena</i> sp.	Ganjam	Gravely, 1921a; Choudhury et al., 2019

Table 3 Number of species of spiders recorded and/or described from different divisions and districts of Odisha state, India.

Northern Division		Central Division		Southern Division	
District	No. of species	District	No. of species	District	No. of species
Angul	7	Balasore	4	Boudh	0
Balangir	5	Bhadrak	0	Gajapati	0
Bargarh	0	Cuttack	6	Ganjam	84
Deogarh	0	Jagatsinghpur	2	Kalahandi	6
Dhenkanal	3	Jajpur	1	Kandhamal	1
Jharsuguda	1	Kendrapada	3	Koraput	77
Kendujhar	16	Khordha	93	Malkangiri	2
Sambalpur	12	Mayurbhanj	83	Nabarangpur	0
Sundargarh	8	Nayagarh	3	Nuapada	0
Subarnapur	0	Puri	28	Rayagada	0

Table 4 Number of species of spiders recorded and/or described from different families of the order Araneae.

Families	No. of Genera	No. of Species	Families	No. of Genera	No. of Species
1. Agelenidae	1	1	23. Nemesiidae	1	1
2. Amaurobiidae	1	1	24. Oonopidae	3	3
3. Araneidae	23	47	25. Oxyopidae	2	10
4. Barychelidae	4	5	26. Palpimanidae	1	1
5. Bemmeridae	1	1	27. Philodromidae	1	1
6. Cheiracanthiidae	1	2	28. Pholcidae	4	4
7. Cithaeronidae	2	2	29. Pisauridae	4	5
8. Clubionidae	1	1	30. Salticidae	29	43
9. Corinnidae	3	3	31. Scytodidae	1	2
10. Ctenidae	2	3	32. Segestriidae	2	6
11. Dictynidae	2	2	33. Selenopidae	2	2
12. Eresidae	1	1	34. Sparassidae	4	11
13. Filistatidae	1	1	35. Stenochilidae	1	1
14. Gnaphosidae	5	10	36. Tetragnathidae	4	15
15. Halonoproctidae	1	1	37. Theraphosidae	4	5
16. Hersiliidae	1	1	38. Theridiidae	11	12
17. Idiopidae	3	4	39. Thomisidae	10	15
18. Linyphiidae	1	1	40. Titanoecidae	1	2
19. Liocranidae	2	5	41. Uloboridae	2	2
20. Lycosidae	12	25	42. Zodariidae	5	5
21. Mimetidae	1	1			
22. Miturgidae	1	1	Total	162	265

Table 5 Number of families, genera and species of spider fauna in different states based on published literature.

State	Families	Genera	Species	Reference
Andhra Pradesh	33	104	192	Singh and Sharma, 2022b
Arunchal Pradesh	20	56	108	Singh and Singh, 2021b
Assam	27	136	266	Singh and Singh, 2021b
Bihar	21	55	93	Singh and Singh, 2021d
Chhattisgarh	21	68	179	Singh BB and Singh, 2021
Goa	23	128	173	Singh and Singh, 2022a
Gujarat	40	169	415	Yadav et al., 2017
Haryana	16	39	59	Singh and Singh, 2021c
Himachal Pradesh	22	58	90	Singh and Singh, 2021c
Jharkhand	13	27	35	Singh and Singh, 2021d
Karnataka	39	194	393	Singh, 2022
Madhya Pradesh	30	136	336	Singh and Sharma, 2022a
Manipur	25	88	142	Singh and Singh, 2021b
Meghalaya	29	119	225	Singh and Singh, 2021b
Mizoram	18	48	70	Singh and Singh, 2021b
Nagaland	5	6	7	Singh and Singh, 2021b
Odisha	42	162	265	Present checklist
Panjab	19	64	109	Singh and Singh, 2021c
Rajasthan	25	90	173	Singh and Singh, 2022c
Sikkim	21	55	89	Singh and Singh, 2021b
Tamil Nadu	33	133	250	Caleb & Karthikeyani, 2020
Telangana	21	71	121	Singh and Sharma, 2022c
Tripura	16	53	79	Singh and Singh, 2021b
Uttar Pradesh	36	146	284	Singh and Singh, 2022b
Uttarakhand	45	202	373	Singh and Singh, 2022b

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